BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

BYATARAYANAPURA SUB DIVISOIN

Name of the Work : **Improvements and maintenance of Footpath in ward No. 06,Kogilu**

EMB

Pre- Measurement

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BRUHATH BANGALORE MAHANAGARAPALIKE
YELAHANKA ZONE
1and Final Bill
Pre-Measurements

Name of work: Improvements and maintenance of Footpath in ward No. 06, jakkur

Work Order No:- BBMP/EE/BTP/WO/151/2022-23 , dt:07/03/2023

JOB NUMBER: 006-23-000009

Estimate Cost: 30.00 lakhs.

As No: AS/CE(YNK)/143/2022-23 Dt: 16.09.2022

Ts No :TS/ CE(YNK) /143/2022-23 dt : 16.09.2022

Name of Contractor : Sri P Vishwanath

Sl No	Description of item	Unit	No	L	B	D	Qty
1	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. (PWD SR 2021-22 Vol -I Pg No 5 item no 1.4.1)						
	For RCC Drain - Gangothri Layout Kattigenahalli						
A	Gangotri badavane Main road (LHS)	Cum					
	Ch 0-15		1	15.00	1.20	0.90	16.20
	Ch 15-30		1	15.00	1.20	0.90	16.20
	Ch 30-50		1	20.00	1.20	0.95	22.80
B	Gangotri badavane Main road (RHS)						
	Ch 0-15		1	15.00	1.20	0.90	16.20
	Ch 15-30		1	15.00	1.20	0.95	17.10
	Ch 30-45		1	15.00	1.20	0.90	16.20
	Ch 45-60		1	15.00	1.20	0.85	15.30
	Ch 60-68.2		1	8.2	1.20	0.85	8.36
C	Gangotri badavane 1st cross road (LHS)						
	Ch 0-15		1	15.00	1.10	0.80	13.20
	Ch 15-30		1	15.00	1.10	0.85	14.03
	Ch 30-49		1	19.00	1.10	0.80	16.72
D	New drain connecting to existing drain		1	14.80	1.10	0.85	13.84
E	Gangotri badavane 1st cross road (RHS)						
	Ch 0-15		1	15.00	1.10	0.85	14.03
	Ch 15-30		1	15.00	1.10	0.80	13.20
	Ch 30-50		1	20.00	1.10	0.85	18.70
F	Gangotri badavane 2nd cross road (LHS)						
	Ch 0-15		1	15.00	1.10	0.80	13.20

245.27

10/2/23

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	Ch 15-30		1	15.00	1.10	0.85	14.03
	Ch 30-45		1	15.00	1.10	0.80	13.20
	Ch 45-57		1	12.00	1.10	0.80	10.56
G	Gangotri badavane 2nd cross road (RHS)						
	Ch 0-15		1	15.00	1.10	0.85	14.03
	Ch 15-30		1	15.00	1.10	0.80	13.20
	Ch 30-45		1	15.00	1.10	0.80	13.20
	Ch 45-52		1	17.00	1.10	0.80	14.96
				total quatity			338.44

93.17

Assistant Engineer
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Assistant Executive Engineer
Byatarayanapura Sub Division

2	Providing and laying in position plain cement concrete Mix 1:3:6 (M10) for levelling course for all works in foundation. Using 40 mm nominal size graded crushed coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (PWD SR 2021-22 Vol -I Pg 15 item no 2.1.3)						
	For RCC Drain - Gangothri Layout Kattigenahalli						
A	Gangotri badavane Main road (LHS)						
	Ch 0-15	Cum	1	15.00	1.20	0.15	2.70
	Ch 15-30		1	15.00	1.20	0.15	2.70
	Ch 30-50		1	20.00	1.20	0.15	3.60
B	Gangotri badavane Main road (RHS)						
	Ch 0-15		1	15.00	1.20	0.15	2.70
	Ch 15-30		1	15.00	1.20	0.15	2.70
	Ch 30-45		1	15.00	1.20	0.15	2.70
	Ch 45-60		1	15.00	1.20	0.15	2.70
	Ch 60-69		1	9.00	1.20	0.15	1.62
C	Gangotri badavane 1st cross road (LHS)						
	Ch 0-15		1	15.00	1.00	0.15	2.25
	Ch 15-30		1	15.00	1.00	0.15	2.25
	Ch 30-49		1	19.00	1.00	0.15	2.85
D	New drain connecting to existing drain		1	14.80	1.00	0.15	2.22
E	Gangotri badavane 1st cross road (RHS)						
	Ch 0-15		1	15.00	1.00	0.15	2.25
	Ch 15-30		1	15.00	1.00	0.15	2.25
	Ch 30-50		1	20.00	1.00	0.15	3.00
F	Gangotri badavane 2nd cross road (LHS)						
	Ch 0-15		1	15.00	1.00	0.15	2.25
	Ch 15-30		1	15.00	1.00	0.15	2.25
	Ch 30-45		1	15.00	1.00	0.15	2.25

45.24

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

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	Ch 45-57		1	12.00	1.00	0.15	1.80
G	Gangotri badavane 2nd cross road (RHS)						
	Ch 0-15		1	15.00	1.00	0.15	2.25
	Ch 15-30		1	15.00	1.00	0.15	2.25
	Ch 30-45		1	15.00	1.00	0.15	2.25
	Ch 45-52		1	17.00	1.00	0.15	2.55
				total quatity			56.34

11.10

18/3/23

Assistant Executive Engineer
Ward No. 06
B.B.M.P. Byatarayanapura Sub Division

Assistant Executive Engineer
Byatarayanapura Sub Division

3	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M20 (The cost of steel						
	For RCC Drain - Gangothri Layout Kattigenahalli						
A	Gangotri badavane Main road (LHS)						
	Ch 0-19	Cum	1	19.00	0.90	0.15	2.57
	Road crossing 1		1	5.00	1.10	0.15	0.83
	Ch 24-45		1	21.00	0.90	0.15	2.84
	Road crossing 2		1	5.00	1.10	0.15	0.83
B	Gangotri badavane Main road (RHS)						
	Ch 0-15		1	15.00	0.90	0.15	2.03
	Ch 15-30		1	15.00	0.90	0.15	2.03
	Ch 30-45		1	15.00	0.90	0.15	2.03
	Ch 45-60		1	15.00	0.90	0.15	2.03
	Ch 60-69		1	9.00	0.90	0.15	1.22
C	Gangotri badavane 1st cross road (LHS)						
	Ch 0-15		1	15.00	0.80	0.15	1.80
	Ch 15-30		1	15.00	0.80	0.15	1.80
	Ch 30-49		1	19.00	0.80	0.15	2.28
D	New drain connecting to existing drain		1	14.80	0.80	0.15	1.78
E	Gangotri badavane 1st cross road (RHS)						
	Ch 0-15		1	15.00	0.80	0.15	1.80
	Ch 15-30		1	15.00	0.80	0.15	1.80
	Ch 30-50		1	20.00	0.80	0.15	2.40
F	Gangotri badavane 2nd cross road (LHS)						
	Ch 0-15		1	15.00	0.80	0.15	1.80
	Ch 15-30		1	15.00	0.80	0.15	1.80
	Ch 30-45		1	15.00	0.80	0.15	1.80

35.142

16/3/23

Assistant Executive Engineer
B.B.M.P. Byatarayanapura Sub Division

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	Ch 45-57		1	12.00	0.80	0.15	1.44
G	Gangotri badavane 2nd cross road (RHS)						
	Ch 0-15		1	15.00	0.80	0.15	1.80
	Ch 15-30		1	15.00	0.80	0.15	1.80
	Ch 30-45		1	15.00	0.80	0.15	1.80
	Ch 45-52		1	17.00	0.80	0.15	2.04
	WALL CONCRETE						
A	Gangotri badavane Main road (LHS)						
	Ch 0-19		2	19.00	0.15	0.60	3.42
	Road crossing 1		2	5.00	0.23	0.62	1.43
	Ch 24-45		2	21.00	0.15	0.60	3.78
	Road crossing 2		2	5.00	0.23	0.62	1.43
B	Gangotri badavane Main road (RHS)						
	Ch 0-15		2	15.00	0.15	0.60	2.70
	Ch 15-30		2	15.00	0.15	0.61	2.75
	Ch 30-45		2	15.00	0.15	0.62	2.79
	Ch 45-60		2	15.00	0.15	0.60	2.70
	Ch 60-69		2	9.00	0.15	0.62	1.67
C	Gangotri badavane 1st cross road (LHS)						
	Ch 0-15		2	15.00	0.15	0.63	2.84
	Ch 15-30		2	15.00	0.15	0.60	2.70
	Ch 30-49		2	19.00	0.15	0.55	3.14
D	New drain connecting to existing drain		2	14.80	0.15	0.60	2.66
E	Gangotri badavane 1st cross road (RHS)						
	Ch 0-15		2	15.00	0.15	0.60	2.70
	Ch 15-30		2	15.00	0.15	0.60	2.70
	Ch 30-50		2	20.00	0.15	0.60	3.60
F	Gangotri badavane 2nd cross road (LHS)						
	Ch 0-15		2	15.00	0.15	0.60	2.70
	Ch 15-30		2	15.00	0.15	0.55	2.48
	Ch 30-45		2	15.00	0.15	0.55	2.48
	Ch 45-57		2	12.00	0.15	0.60	2.16
G	Gangotri badavane 2nd cross road (RHS)						
	Ch 0-15		2	15.00	0.15	0.60	2.70
	Ch 15-30		2	15.00	0.15	0.55	2.48
	Ch 30-45		2	15.00	0.15	0.60	2.70
	Ch 45-52		2	17.00	0.15	0.60	3.06
					Actiual Qty		108.04
					Limited to		107.82

8/6/23

Assistant Engineer
ಸಹಾಯಕ ಅಭಿಯಂತರರು
Ward No. 06
ಬ.ಬ.ಎಂ.ಪ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

08/06

Assistant Executive Engineer
ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
Byatarayanapura Sub Division
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬ.ಬ.ಪಾ.ಪ. ಬೆಂಗಳೂರು-26

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KSRB M2200-6 Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. MORTH Specification NO.1600 & 2200 Specification No. Pg No.229 Item No.28.8.2

	For RCC Drain - Gangothri Layout Kattigenahalli						
A	Longitudinl bars (8mm dia) @.125mmc/c	Tonne	No of bars	L			
	Gangotri badavane Main road (LHS)						
	Ch 0-19		18	19.0			342
	Road crossing (top mat)		18	5.0			90
	Bottom mat		18	5.0			90
	Ch 24-45		18	21.0			378
	Road crossing (top mat)		18	5.0			90
	Bottom mat		18	5.0			90
							1080
	Gangotri badavane Main road (RHS)						
	Ch 0-24		18	24.0			432
	Ch 24-48		18	24.0			432
	Ch 48-69		18	21.0			378
				129.0			1242
	Gangotri badavane 1st cross road (LHS)						
	Ch 0-24		18	24.0			432
	Ch 24-49		18	25.0			450
							882
	New drain connecting to existing drain		18	14.8			266.4
	Gangotri badavane 1st cross road (RHS)						
	Ch 0-24		18	24.0			432
	Ch 24-50		18	26.0			468
				50.0			900
	Gangotri badavane 2nd cross road (LHS)						
	Ch 0-24		18	24.0			432
	Ch 24-48		18	24.0			432
	Ch 48-57		18	9.0			162
							1026
	Gangotri badavane 2nd cross road (RHS)						
	Ch 0-24		18	24.0			432
	Ch 24-48		18	24.0			432
	Ch 48-52		18	4.0			72
							936
				Total Length in Mtr			6332.40
			A	wt @ 0.39kg/mtr(d2/162)			2469.64

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distribution bars (10mm dia)						
Gangotri badavane Main road (LHS)						
Ch 0-19		155	2.2			341
Road crossing 1(top mat)		43	2.2			94.6
Bottom mat		43	2.2			94.6
Ch 24-45		172	2.2			378.4
Road crossing 2 (top mat)		43	2.2			94.6
Bottom mat		43	2.2			94 6
						908.6
Gangotri badavane Main road (RHS)						
Ch 0-24		195	2.2			429
Ch 24-48		195	2.2			429
Ch 48-69		166	2.2			365.2
						1223.2
Gangotri badavane 1st cross road (LHS)						
Ch 0-24		195	2.2			429
Ch 24-49		203	2.2			446.6
						875.6
New drain connecting to existing drain		123	2.2			270.6
Gangotri badavane 1st cross road (RHS)						
Ch 0-24		195	2.2			429
Ch 24-50		212	2.2			466.4
						1166
Gangotri badavane 2nd cross road (LHS)						
Ch 0-24		195	2.2			429
Ch 24-48		195	2.2			429
Ch 48-57		75	2.2			165
						1023
Gangotri badavane 2nd cross road (RHS)						
Ch 0-24		195	2.2			429
Ch 24-48		195	2.2			429
Ch 48-52		35	2.2			77
						935
				Total Length in Mtr		6402.00
		B		wt @ 0.62kg/mtr		3969.24
				Total Wt in Kgs (A to B)		6438.88
				Acitual Qty		6.44

3/5/23

Assistant Engineer
ಸಹಾಯಕ ಅಭಿಯಂತರರು
Ward No. 06
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

03/05

Assistant Executive Engineer
ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
Byatarayanapura Sub Division
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-26

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